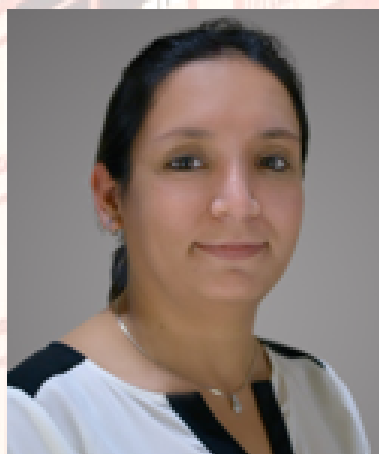


राष्ट्रीय प्रतिरक्षाविज्ञान संस्थान
National Institute of Immunology

AZADI KA AMRIT MAHOTSAVA

आज़ादी का अमृत महोत्सव
Commemorating 75 years of Independence

Invited Seminar by



Dr. Irtisha Singh

Assistant Professor (Molecular and Cellular Medicine)
College of Medicine, Texas A&M University Health Science Center
Bryan, Texas

Title: Uncovering Epigenetic, Transcriptional and Co-transcriptional Regulatory Programs in Cancer

September 1, 2021, Wednesday at 4:00 pm

Department of Biotechnology

आज़ादी का अमृत महोत्सव | 75th Anniversary of Indian Independence

Title of the event: Webinar entitled: Biology of Mental Health; Speaker: Dr. Biju Vishwanath, NIMHANS, Bengaluru

Name of the organizer: DBT- Institute for Stem Cell Science & Regenerative Medicine

Date and Time: 4 September 2021, 10-11AM

URL/Registration link (in case of virtual event): registration link

Venue (in case of physical event): Online

Brief background/purpose of the event:

The Science Setu Programme at inStem entitled “Discovering Possibilities” is an effort to create awareness about the importance of science in our lives and encourage the participation of young college students and their teachers in the area of Biology. Through setting up engagements with practitioners of science, this programme aims to provide a view to the excitement and numerous opportunities arising from a career in science.

Each webinar covers a topic in a manner accessible to college students and apart from contemporary cutting-edge research, involves colleagues who have faced challenges and success in allied areas such as science journalism, publishing, communications, history of science, as well engagements with students and interns from our laboratories. The programme will include interactions with established leaders in Industry as well as innovators and heads of technical hubs in the city and beyond.

Contact email: sciencesetu@instem.res.in

Expected Participants/List of Participants:

UG and PG students from Bangalore:

- St Joseph's;
- Maharani's Science College for Women,
- Mount Carmel College
- Autonomous, Indian Academy Degree College,
- Kristu Jayanti College,

Mangalore:

- St. Aloysius College;

Gadag:

- Bipin Chikkatti Degree College, Gadag

Ujire

- Sri Dharmasthala Manjunatheshwara College,

Kollam,

- St. John's College, Kollam, Anchal Kerala;

Chennai:

- Sri Ramachandra Institute of Higher Education & Research: Undergraduate college and Medical School students.

How is the event linked to Azadi ka Amrit Mahotsav:

The talk by a faculty at the NIMHANS, Bengaluru showcases research advances in the clinical space in India. It covers a topical and relevant area of brain physiology and disorders of function, which affect a large number of people in India. This is particularly relevant and relatable as mental health is a major public health issue in our country and almost no family is unaffected. There is also considerable stigma because of a lack of understanding and talks by experts not only build awareness but also dispel incorrect notions about disease.

Overall, this talk like the others in the series will highlight the progress and advances laboratories in India have made in the area collectively, over preceding decades and the current contemporary approaches being taken.

Potential/Expected Impact:

We hope to build sustained interactions with participating colleges and partner with them in nurturing the growth of students curious about possibilities in science as well foster career advancement of exceptional students who would like to venture into science as a career.



Discovering Possibilities!
Atmanirbhar Bharat



inStem

The Biology of Mental Illness

► SATURDAY, 4TH SEPT 2021

► 10 AM



DR. BIJU VISWANATH

NIMHANS

Participating Institutions

Bipin Chikkatti Degree College,
Gadag, Karnataka

Bangalore: St Joseph's; Maharani's
Science College for Women, Mount
Carmel College Autonomous, Indian
Academy Degree College, Kristu Jayanti
College, Sri Dharmasthala

Manjunatheshwara College,
Mangalore: St. Aloysius College;

Kollam: St. John's College, Kollam,
Anchal Kerala;

Chennai: Sri Ramachandra Institute of
Higher Education & Research.



REGISTER AND JOIN

tinyurl.com/scsetu

Registration Required

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: DNA Fingerprinting: Approaches and Applications

Name of the organizer: DBT- Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram

Date and Time: 4th September 2021; 4.00PM.

URL (in case of virtual event): <https://global.gotomeeting.com/join/974300749>

Venue (in case of physical event): NA

Brief background/purpose of the event:

DNA based detection has become the most popular and well accepted method for identifying individuals in paternity disputes, forensic investigations, in courts, by police and in wildlife crime. The talk will be based on the basic principles and applications of DNA fingerprinting technology.

Expected Participants/List of Participants: Students from Star Colleges, People from all sectors of society.

How is the event linked to AzadikaAmritMahotsav:

As per the National Crime Records Bureau (NCRB) reports, there are 40,000 unidentified bodies per year that need identification. NCRB also reported that nearly 100,000 children go missing every year across the country. So, the application of DNA fingerprinting and its advancement are very relevant for empowering the justice delivery system in independent India.

Potential/Expected Impact:

Motivates the young talents to think and work for the advancement of DNA fingerprinting and also to create a public awareness on the possibilities of DNA fingerprinting technology among the public.



विज्ञान से विकास-प्रौद्योगिकी से प्रगति
सशक्त भारत

DBT-RAJIV GANDHI CENTRE FOR BIOTECHNOLOGY (RGCB)

THIRUVANANTHAPURAM

invites you to

SCIENCE SETU

Bridging through Science

'Science Setu' programme was launched by, The Department of Biotechnology under, The Ministry of Science & Technology, which provides a unique opportunity to science students and teaching faculty to get an exposure of the cutting-edge research being carried out at premier research institutes.

DNA FINGERPRINTING: Approaches and Applications



Dr. Soniya E V
Scientist G
RGCB
Thiruvananthapuram

th SEPTEMBER
4 2021
4:00 pm

DNA based detection has become the most popular and well accepted method for identifying individuals in paternity disputes, forensic investigations, in courts, by police and in wildlife crime. The talk will be based on the basic principles and applications of DNA fingerprinting technology.

Link:

<https://global.gotomeeting.com/join/974300749>

Coordinators

Dr. Anish N. P., Scientist C & Assistant Registrar
Dr. Manoj P, Assistant General Manager
RGCB

Department of Biotechnology

आज़ादी का अमृत महोत्सव | 75th Anniversary of Indian Independence

Title of the event: IPM and INM practices in Pulses and Groundnut

Name of the organizer: Programme Co-ordinator and Head, Krishi Vigyan Kendra, Rastakuntubai, Vizianagaram District, A.P.

S.No	Date and Time	Venue	Brief background /purpose of the event	Expected Participants/List of Participants
1.	24.08.2021 11.30am-1.30pm	Raithu Bharosa Kendra	To create awareness in production technologies of pulses and groundnut	20-25
2.	25.08.2021 11.30am-1.30pm	Agriculture Polytechnic college	Varietal selection, importance of seed treatment and weed management in pulses and groundnut	20-25
3.	26.08.2021 11.30am-1.30pm	RaithuBharosa Kendra	To impart knowledge on integrated nutrient management	20-25
4.	27.08.2021 11.30am-1.30pm	Horticulture Polytechnic college	To impart knowledge on integrated pest management	20-25
5.	29.08.2021 11.30am-1.30pm	Seed technology Polytechnic college	Awareness on value addition in pulses	20-25
6.	30.08.2021 11.30am-1.30pm	RaithuBharosa Kendra	Farmer – Scientist interaction	20-25

Date and Time: 28.08.2021

Brief background/ purpose of the event: Considering the importance of Integrated Nutrient and pest management practices in Pulses and pulse based farming and cropping systems , this virtual training programme is organized to provide technical knowledge to the farmers to select appropriate management options for enhancing the pulse production in various systems in North Coastal and High Altitude and tribal Areas of Andhra Pradesh .

S.No	Topic	Resource Persons	Mobile Number
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	Inaugural Guests	Joint Directors of Agriculture of Vizianagaram and Visakhapatnam districts Associate Director of Research of North Coastal/HAT Zones and Project team	
1	Role and scope of pulses in Andhra Pradesh and agrotechniques	<ol style="list-style-type: none"> 1. Dr.T. Srinivas PI,Biotech KISAN Hub project of ANGRAU & ProgrammeCoordinator, KVK, Kurnool 2. Dr.K.TejaswaraRao, ProgrammeCoordinator, KVK,Vizianagaram 	8512296111 9493084826
2	Pulse based farming systems and Navadhanya concept of Natural farming in North coastal Andhra Pradesh	<ol style="list-style-type: none"> 1. Dr.M.M. V.SrinivasaRao SeniorScientist, AICRP-IFS, Gajularega. 2. Sri.K.Prakash DPM,APCNF. 	9440123223 9121147885
3	FPOs- Strengthening and Sustainability	<ol style="list-style-type: none"> 1. Sri.P.Harish, AGM, NABARD. 2. Dr.K.Lakshmana, Coordinator, DAATTC. 	9452202000 9989623801
4	ICTs -Usage in Agriculture	<ol style="list-style-type: none"> 1.Dr.G. Prasad Babu SMS (Extension), KVK,Kurnool 2. Dr.P B Pradeep Kumar, Coordinator, DAATTC, Visakhapatnam 	7416384968 989623802
5	Allied enterprises- pulses inclusion in orchard crops and pulse fodders in crop-livestock systems	<ol style="list-style-type: none"> 1. Y. V.Ramana Joint Director of AnimlHusbandry , Vizianagaram 2. Sri.N.SrinivasaRao, Deputy Director of Horticulture,Vizianagar am 	9989932802 7995086760

Expected participants / List of participants: 800-1000 No. includes farmers, Extension functionaries, youth , progressive women farmers and line departments staff of RBK system of AP

How is the event linked to Azadi ka Amrit Mahotsav:

This event impart knowledge to farmers and helps to reduce cost of cultivation and increased net returns of the farmers and thus helps in well being of nation.

Potential/Expected Impact:

This event will impact the knowledge and income of farmer in a positive way.

Department of Biotechnology

आज़ादी का अमृत महोत्सव | 75th Anniversary of Indian Independence

Title of the event: Webinar “Poosha Krishak-Vaigyanik Aam Sanvad”

Name of the organizer:

ICAR-Indian Agricultural Research Institutes (IARI), New Delhi

Foundation for Agricultural Resources Management and Environmental Remediation (FARMER) Biotech-KISAN, Hub, Ghaziabad

Date and Time:

Date: 4th September, 2021

Time: Morning 10:00 AM

URL/Registration link (in case of virtual event):

<https://us02web.zoom.us/j/83944856012?pwd=Z0thTkZtVUh4cVdPRjNlN0x2ZWYvZz09>

Venue (in case of physical event): NA

Brief background/purpose of the event:

The Azadi Ka Amrit Mahotsav is being celebrated by different organizations on the occasion of 75th Anniversary of India's Independence. This event will highlight the role of technology with special reference to the use of organic inputs (Bio-fertilizers & Bio-pesticides) for the use of integrated nutrients and pest/disease management. This will lead to increased productivity with reference to the quality of food production and for the overall sustainable development of agriculture. This programme will further create awareness among farmers for using organic inputs for improving soil health, producing healthy agricultural produce, and promoting natural and chemical free farming.

Expected Participants/List of Participants: 200 – 250 Participants

How is the event linked to Azadika Amrit Mahotsav:

The Azadi ka Amrit Mahotsav is being celebrated by the Government to focus on India's vision and aspiration of India's youth with the commitment to act as guiding light for India's development during the next 25 years.

The Science and Technology have played a pivotal role in the development of India towards attaining self reliance in food security for the vast population of our country. The Biotech-KISAN Project is being implemented by the DBT to create a network for increasing productivity by innovative applications in the field of agriculture to improve soil health, provide quality seeds, and to provide marketing linkage's for the agriculture produce.

The FARMER Biotech-KISAN Hub, Ghaziabad is implementing a project supported by Department of Biotechnology (DBT), Ministry of Biotechnology, Government of India to motivate farmers to use organic agriculture inputs in place of chemicals by promoting use of bio-fertilizers and bio-pesticides in seed treatment and soil application with enriched

compost. The activities are being conducted to produce healthy and chemical free agricultural produces and also promoting natural and organic farming. The natural and organic farming is not only an occupation but is a way of life which has direct connection with the wellness of human being to maintain good health and happiness, which will contribute to AtmaNirbhar Krishi for AtmaNirbhar Bharat.

Potential/Expected Impact:

The healthy food is as essential element to maintain good human health. Healthy food can be produced by way of natural and organic farming. The importance of healthy food was further realized during the recent Corona Pandemic. This celebration of Azadi ka Amrit Mahotsav will motivate more citizens to prefer organically grown agricultural produce as well as the farmers will be motivated to adopt organic farming for enhancing their income.

भ. कृ. अ. प. - भारतीय कृषि अनुसंधान संस्थान, पूसा परिसर, नई दिल्ली
एवं
फाउंडेशन फॉर एग्रीकल्चरल रिसोर्सेस मैनेजमेंट एंड एनवायरमेंटल रेमेडिएशन
(फारमर) बायोटेक-किसान हब, गाजियाबाद - जैव प्रौद्योगिकी विभाग

आपको वेबिनार मे शामिल होने के लिए सौहार्दपूर्वक आमंत्रित करते हैं

वेबिनार “पूसा कृषक-वैज्ञानिक आम संवाद”

अंतर्गत

"आजादी का अमृत महोत्सव"

भारत की स्वतंत्रता की 75वीं वर्षगांठ के अवसर पर
दिनांक: 4 सितम्बर, 2021, समय: सुबह – 10:00 बजे से दोपहर – 01:00 बजे तक
ऑनलाइन प्लेटफॉर्म (ज़ूम)

ज़ूम मीटिंग मे शामिल होने का लिंक:

<https://us02web.zoom.us/j/83944856012?pwd=Z0thTkZtVUUh4cVdPRjNLN0x2ZWYyZz09>

मीटिंग आई.डी. : 839 4485 6012 पासकोड : ap&0fW

Department of Biotechnology

आज़ादी का अमृत महोत्सव | 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

URL/Registration link (in case of virtual event):

Venue (in case of physical event): Social Media-BIRAC Twitter and Facebook Handle

Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.

The primary goal for the @BIRAC_2012 supported innovation Net4Medix is to enable effective management of patients conditions. In addition to this, it also provides a pre-determined level of remote support to patients who need medical assistance.

#AzadiKaAmritMahotsav #IndiaAt75

#AzadiKaAmritMahotsav #IndiaAt75#AzadiKaAmritMahotsav #IndiaAt75

@DBTIndia @Drrenuswarup @bhalla_anju

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञानसेविकास-प्रौद्योगिकीसेप्रगति** under the theme **सशक्तभारत**. All these supported innovations are Make in India innovations that aim to strengthen the AtmaNirbhar Bharat initiative.

Potential/Expected Impact:

Outreach of BIRAC supported innovations to the social media audience to make people aware about the innovations that can be helpful to their day to day lives. BIRAC's efforts have resulted in significant changes in the landscape of the Indian biotechnology sector.

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Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Popularization of Grass Pea cultivation among farmers

Name of the organizer: Bihar Agricultural University, Sabour

Partners: Krishi Vigyan Kendra Gaya, Lakhisarai & Patna

Date : September 6-10, 2021

Event Summary

1. India @75: Proceedings of the Event at KVK, Manpur, Gaya

On the eve of 75th anniversary of Indian Independence a special programme on popularisation of Grass pea cultivation among farmers of Gaya district was organized by Krishi Vigyan Kendra, Manpur, Gaya in collaboration with Bihar Agricultural University, Sabour, Bhagalpur from Sept. 06, 2021 to Sept. 10, 2021.

During the programme the farmers were awarded and motivated for adoption of new released varieties Ratan & Prateek of Grass pea having low BOA content. Trainings were organized on Sept. 06, 2021 in the Bhusunda village of Wazirganj block with 68 male farmer participants; on Sept. 08, 2021 with 22 farmers (male-17, female-5) on virtual mode at KVK campus. On Sept. 09, 2021 at Aropur village of Tankuppa block with 23 farmer participants (male-22, female- 2). In the training programmes lectures were delivered by the scientists/experts of KVK, Manpur, Gaya on the topics Benefits of Grass pea, its package of practices and scope of Grass pea in the district. Booklet on Grass pea cultivation was distributed among the farmers.

On Sept. 07, 2021 farmer-scientist interaction session was organized at the KVK campus in which 75 farmer participants took part in it.

सशक्त भारत

During the session interaction between farmers and scientists/experts of the centre was held in healthy environment in which farmers from different blocks of the district given their own views regarding prevailing situation and cultivation of Ratan & Prateek varieties of grass pea. Questions in the form of problems related to grass pea cultivation were also raised by few farmers for which one by one solution were provided by the scientists/experts of the centre.

Brief of Biotech KISAN Hub at KVK Gaya

The Biotech KISAN Hub programme started in the year 2018 at Krishi Vigyan Kendra, Manpur, Gaya in collaboration with Bihar Agricultural University, Sabour, Bhagalpur with the aim of popularization of newly released Ratan & Prateek varieties of grass pea having low BOA content, hence, helping farmers for self sufficiency in pulse production and also help in get rid of malnourished due to lack of protein. The crop is well suited for its cultivation under prevailing agro- climatic condition in the Gaya district.

Photo Gallery of Programme @ KVK Gaya

06 September
2021



07 September
2021

विज्ञान से विकास-प्रौद्योगिकी से प्रगति

सशक्त भारत



09 September
2021



विज्ञान से विकास-प्रौद्योगिकी से प्रगति

10 September
2021



2. India at 75: Proceedings of the Event and press release of KVK, Barh, Patna

On the eve of 75th anniversary of Indian Independence, a special programme on popularisation of Grass pea cultivation among farmers of Patna district was organized by Krishi Vigyan Kendra, Barh, Patna in collaboration with Bihar Agricultural University, Sabour, Bhagalpur from Sept. 06, 2021 to Sept. 10, 2021. During the programme the farmers were awarded and motivated for adoption of new released varieties Ratan & Prateek of Grass pea having low BOAA content. Trainings were organized on following dates and participants were as below:

S. No.	Date	Village	Block	Male	Female	Total
1.	06.09.2021	Badpur	Mokama	46	09	55
2.	07.09.2021	Moglani	Belchi	38	22	60
3.	08.09.2021	Gopaichak	Belchi	46	09	55
4.	09.09.2021	Kajichak	Pandararak	51	04	55
5.	10.09.2021	KVK, Patna	Barh	61	16	77
Total				242	60	302

In the training programmes lectures were delivered by the scientists/experts of KVK, Barh, Patna on the topics Benefits of Grass pea, its package of practices and scope of Grass

सशक्त भारत

pea in the district. Booklet on Grass pea cultivation was distributed among the farmers.

On Sept. 10, 2021 farmer-scientist interaction session was organized at the KVK campus in which 77 farmer participants took part in it. During the session interaction between farmers and scientists/experts of the centre was held in healthy environment in which farmers from different blocks of the district given their own views regarding prevailing situation and cultivation of Ratan & Prateek varieties of grass pea. Questions in the form of problems related to grass pea cultivation were also raised by few farmers for which one by one solution were provided by the scientists/experts of the centre.

Brief of Biotech KISAN Hub at KVK, Barh, Patna

The Biotech KISAN Hub programme started in the year 2018 at Krishi Vigyan Kendra, Barh, Patna in collaboration with Bihar Agricultural University, Sabour, Bhagalpur with the aim of popularization of newly released Ratan & Prateek varieties of grass pea having low BOAA content, hence, helping farmers for self sufficiency in pulse production and also help in get rid of malnourishment due to lack of protein. The crop is well suited for its cultivation under prevailing agro-climatic condition in the Patna district.

Photo Gallery @ KVK Patna

06 September
2021



विज्ञान से विकास-प्रौद्योगिकी से प्रगति

07 September
2021



08 September
2021



09 September
2021



10 September
2021

विज्ञान से विकास-प्रौद्योगिकी से प्रगति



3. India at 75: Proceedings of the Event at KVK Lahisarai

On the eve of 75th anniversary of Indian Independence a special programme on popularisation of Grass pea cultivation among farmers of Lakhisarai district was organized by Krishi Vigyan Kendra, Lakhisarai, in collaboration with Bihar Agricultural University, Sabour, Bhagalpur from

Sept. 07, 2021 to Sept. 10, 2021. The program is organized in three villages of Lakhisarai district namely Rampur, Lai and Lal Diyara. The importance and virtue of Lathyrus crop were discussed. The advantage of Lathyrus cultivation over other pulse crop under adverse climatic condition were emphasized. During the programme the farmers were awarded and motivated for adoption of new released varieties Ratan & Prateek of Grass pea having low BOA content.

Trainings were organized on Sept. 07, 2021 in the Rampur village of Suryagarha block with 100 only farmer participants; on Sept. 08, 2021 with 100 farmers at Lai village of surygarha of

विज्ञान से विकास-प्रौद्योगिकी से प्रगति

सशक्त भारत

Lakhisarai district. On Sept. 09, 2021 at Lal Diyara village of Lakhisarai district with 101 farmer participants. In the training programmes lectures were delivered by the scientists/experts of KVK, Lakhisarai district on the topics Benefits of Grass pea, its package of practices and scope of Grass pea in the district. Booklet on Grass pea cultivation was distributed among the farmers.

On Sept. 010, 2021 farmer-scientist interaction session was organized at the KVK campus in which 75 farmer participants took part in it. During the session interaction between farmers and scientists/experts of the centre was held in healthy environment in which farmers from different blocks of the district given their own views regarding prevailing situation and cultivation of Ratan & Prateek varieties of grass pea. Questions in the form of problems related to grass pea cultivation were also raised by few farmers for which one by one solution were provided by the scientists/experts of the centre.

Invited Experts

Dr. Sudhir Choudhary (Plant Breeding and Genetics)

Dr. Binod Kumar (Agronomy)

Dr. Nishant Prakash (Plant Pathology)

No. of Participants

Venue/Villages	Male	Female	Total
Rampur	100	0	100
Lai	94	6	100
Lal Diyara	101	0	101
On Campus	50	50	100

1. Village Rampur



कास-प्रौद्योगिकी से प्रगति

2.



Village: Lai



सशक्त भारत

3. Lal Diyara



4. On Campus



The valedictory programme was organized centrally in virtual mode on Sep 10, 2021. The guests participated in this important programme are –

1. **Dr P.K.Singh**, Director Seed & Farm, BAU, Sabour
2. **Sri Anil Jha**, Dy. Director, Agronomy-cum-Nodal Officer, CRA Programme, Deptt. of Agriculture, Govt. of Bihar
3. **Dr. K K Singh** , Head Agromet Advisory Service Division, New Delhi
4. **Dr Anjani Kumar**, Director, ICAR ATARI, Patna
5. **Dr. Mohd. Aslam** Consultant (DBT-ILS), IBSD-ILS Joint Centre, NPC Building, Lodhi Road, New Delhi – 110003
6. **Dr. R K Sohane**, DEE & Hub Facilitator, Biotech KISAN Hub

The guest showed their satisfaction for the activities carried out by BAU Sabour for popularisation of Grass pea cultivation. However, they give emphasis for starting breeding programme for grass pea variety development. Sri Jha also added that Grass pea must be optioned for particular ecology wherein it can perform better than other crops. Dr K. K Singh told that IMD is providing weather information to the farmers in collaboration with the university and also told that grass pea is a classic climate resilient crops. Dr. P K Singh assured that these two varieties will be included in university Seed Hub programme. Dr Anjani Kumar told that grass pea was important crop in Koshi Region of Bihar and emphasis may be given for this region again. He also added that this crop can best fit in climate resilient crop and also support small and marginal farmers' income. Dr. Mohd. Aslam appreciated the activities of Biotech KISAN Hub of the university. Dr. R K Sohane extended his sincere thanks to all the guests and also told that university will expedite the process of breeding programme of the grass pea. Dr. Sohane also told that Mr Nitish Kumar also showed his interest for popularization of Grass pea cultivation in Bihar. Dr Sohane also instructed Dr C K Panda, PI Biotech KISAN Hub for creating rural entrepreneurship for value added product of grass pea with support of KVKs.

MOES has IMD office in the campus of BAU and also Agromet Field Unit (AMFU) at Sabour. Under GKMS scheme of MOES, AMFU generates agromet advisory bulletin using block specific weather forecast & warnings and disseminates it to farming communities, FPOs,

सशक्त भारत



NGOs etc through different communication channels on every Tuesday and Friday. These advisories are used for climatic risk management in agriculture.

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the Mega event: BIRAC 10th Innovator's Meet (28th September 2021)

Name of the organizer: Biotechnology Industry Research Assistance Council (BIRAC)

Date and Time: 28th September 2021, 12.00-1.30 pm

URL/Registration link (in case of the virtual event):

Goto Webinar: <https://attendee.gotowebinar.com/register/890878614834017547>

Youtube link: <https://youtu.be/nP-NanHDgyc>

Venue (in case of the physical event): Virtual

Event Summary

Biotechnology Industry Research Assistance Council (BIRAC), the Public Sector Undertaking of the Department of Biotechnology (DBT), hosted its **10th Biotech Innovators Meet** today under the **Azadi Ka Amrit Mahotsav** banner recognizing '**Vigyan se Vikas**'. Hon'ble Union Minister of State (Independent Charge) of the Ministry of Science and Technology and the Earth Sciences Dr Jitendra Singh graced the occasion as the Chief Guest. Dr. Renu Swarup, Secretary Department of Biotechnology & Department of Science & Technology and Chairperson BIRAC, Ms. Anju Bhalla, Joint Secretary DST and Managing Director BIRAC, eminent scientists, researchers, innovators and entrepreneurs, mentors and enablers of the biotech ecosystem took part in the event.

Hon'ble Minister announced the launch of a nationwide Grand Innovation challenge program "**Amrit Grand Challenge-जनCARE**" by BIRAC themed as "Reimagining the Healthcare Delivery - Touching a billion lives". It is aimed to identify, fund and support 75 Digital Healthtech Innovations in Telemedicine, Digital Health, mHealth with Big Data, AI ML, blockchain and other technologies from Start-ups/Individuals/Companies for strengthening the Healthcare delivery to the last mile. This program is also aligned with the

National Digital Health Mission (NDHM) launched by the Hon'ble Prime Minister on 27th September 2021.



Launch of “Amrit Grand Challenge Program”

The Hon'ble Minister also released the four publications at the Innovators Meet namely- BIRAC's Impact Report; Indian Bio-economy Report 2021; Make in India Brochure; BIRAC-BRIC Phase-3 Report.

BIRAC has established **60 specialized Bioincubators** in the country to nurture knowledge translation from Academia & Industry through a robust pipeline of 5000+ Start-ups. The BioNEST incubator network has led to the commercialization of 700+ Technologies and Products. Some of the start-ups also took part in the live interaction with the Hon'ble Minister. These 15 start-ups shared their innovative products journey from Agriculture and allied areas; Covid Response; Industrial Biotechnology, Clean Energy & Environment; Medtech sub sectors including representation from Women Founders led start-ups.



Start-ups Interaction with the hon'ble minister at BIRAC's Innovators Meet.

Hon'ble Minister urged BIRAC to pro-actively reach out to Young Start-ups, rather than they approaching BIRAC for help and support. He stated that India's Bio-economy is on the way to achieve 150 billion dollar target to contribute for Prime Minister's vision of a 5 trillion dollar economy by 2024-25.

The event witnessed participation of 1000+ startups, entrepreneurs, incubators and industry representatives who joined through the online platform. The event was also streamed on youtube and facebook for general public for live and follow on views. The mega event was celebrated under the **"Azadi Ka Amrit Mahotsav"** celebrating **Vigyan se Vikas**.



The poster features a blue background with a hexagonal pattern and a pink and blue diagonal stripe on the right. In the top left corner is the **birac** logo with the tagline "Ignite Innovate Incubate". In the top center, it says "Celebrating 75 Azadi Ka Amrit Mahotsav" with the 75th anniversary logo. The main title is "10th BIOTECH INNOVATORS MEET 2021". Below this, a dark blue box contains "Mode: Virtual" and a light blue box contains "28th September 2021". At the bottom center, it says "VIGYAN SE VIKAS" with "Time: 12 noon-1.30 pm" below it. A QR code is on the right with the text "SCAN & JOIN" below it. At the very bottom is the registration URL: <https://attendee.gotowebinar.com/register/890878614834017547>.

birac
Ignite Innovate Incubate

Celebrating 75
Azadi Ka
Amrit Mahotsav

**10th BIOTECH INNOVATORS
MEET 2021**

Mode: Virtual 28th September 2021

VIGYAN SE VIKAS
Time: 12 noon-1.30 pm

<https://attendee.gotowebinar.com/register/890878614834017547>

SCAN & JOIN



'सशक्त भारत'

विज्ञान से विकास-
प्रौद्योगिकी से प्रगति



आत्मनिर्भर भारत

जन-भागीदारी



सत्यमेव जयते
DEPARTMENT OF BIOTECHNOLOGY
GOVERNMENT OF INDIA

Science Setu Webinars

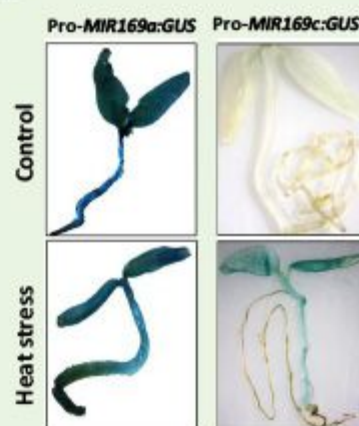
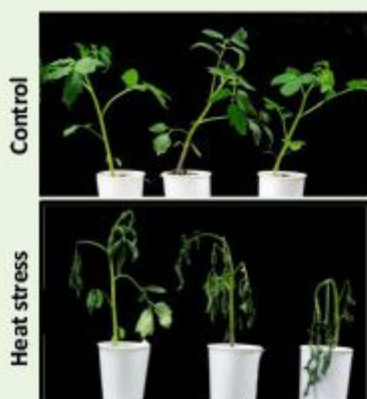
Thirteenth webinar
on 10th September, 2021, Friday
at 3:00 p.m.



“The ‘dark matter’ rises: the fascinating world of regulatory non-coding RNAs in plants”

by

Dr. Saloni Mathur
Scientist IV, NIPGR



Moderated by

Dr. Pinky Agarwal and Dr. Amarjeet Singh
Scientists, NIPGR

Link for the webinar:

<https://nipgr.webex.com/nipgr/onstage/g.php?MTID=e1cdafebe3d0543653b7730bc0d0c9c17>

Department of Biotechnology
आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Popularization of Grass Pea cultivation among farmers

Name of the organizer: Bihar Agricultural University, Sabour

Krishi Vigyan Kendra, Gaya, Lakhisarai & Patna

Date and Time: September 6-10, 2021, Time: 10 AM to 5 PM (Each Day)

Venue (in case of physical event):

KVK Gaya	Vill.- Bhindas, Block-Wazirganj, Gaya; Vill: Manpur, Gaya
KVK Lakhisarai	Vill.-Rampur, Block-Suryagarha, Lakhisarai, Vill- Chandanpura, Block-Suryagarha, Lakhisarai, Vill- Lai, Block- Suryagarha, Lakhisarai
KVK Patna	Vill.- Kazichak, Block- Pandarak, Patna, Vill.- Gopaichak, Block-Belchi, Patna, Vill.- Moglani, Block-Belchi, Patna, Vill. - Badpur, Block-Mokama, Patna, Krishi Vigyan Kendra, Barh, Patna

Brief background/purpose of the event:

Grass pea (*Lathyrus sativus* L.), once an economically significant crop in India, used to be grown widely in Bihar, West Bengal, Odisha, Chhattisgarh and Madhya Pradesh. However, with passage of time, grass pea cultivation was discontinued largely due to presence of high quantity of neurotoxin, ODAP (β -oxalyl-L- α , β -diaminopropionic acid). However, due to the release of low ODAP content lathyrus varieties which were safe for human consumption viz. Nirmal, Ratan, Prateek, and Mahatewara, scope was created for exploring rice fallow areas of Bihar for its cultivation. The Bihar Agriculture University (BAU) through its Directorate of Extension Education along with Department of Biotechnology, Ministry of Science and Technology, Government of India, jointly initiated a programme for popularizing cultivation of new varieties of grass pea (Ratan & Prateek) in the state through Biotech-KISAN (Biotech-Krishi Innovation Science Application Network) Project. The demonstration of Ratan and Prateek varieties was conducted in the farmer's field in the districts of Gaya, Lakhisarai and Patna through the Krishi Vigyan Kendra. During the last *Rabi* season (2020-2021), a total of 1,050 (one thousand and fifty) quintals of grass pea seed were produced in 210 acres area of farmers' field. There is a huge scope to increase the area under low ODAP grass pea cultivation in Bihar. Hence this programme on "Popularization of Grass Pea cultivation among farmers" is accorded under the 'Azadi Ka Amrit Mahotsav' India@75 celebrations'.

सशक्त भारत

The details of the programmes that will be organized are as below:

Sl. No.	KVKs	Programmes	Dates
1	Gaya	Farmers Training	06.09.2021, 08.09.2021 10.09.2021
		Farmers Scientists Interaction	07.09.2021
2	Patna	Farmers Training	06.09.2021, 07.09.2021, 08.09.2021, 09.09.2021
		Farmers Scientists Interaction	10.09.2021
3	Lakhisarai	Farmers Training	06.09.2021, 07.09.2021, 09.09.2021
		Farmers Scientists Interaction	08.09.2021

Expected Participants/List of Participants:

Sl. No.	KVKs	Programmes	No. of Participants
1	Gaya	Farmers Training	50
		Farmers Scientists Interaction	50
2	Patna	Farmers Training	150
		Farmers Scientists Interaction	60
3	Lakhisarai	Farmers Training	150
		Farmers Scientists Interaction	50
Total			510

How is the event linked to Azadi ka Amrit Mahotsav:

Grass pea is one of the oldest pulse crops in India which was once grown widely, however, due to its high ODAP content, its cultivation was banned. However, the release of low ODAP varieties has created wide opportunities. As there is large area under rice fallow, hence it has huge scope for further revival of grass pea cultivation and its human consumption. This will bring self sufficiency in pulse production in India and will lead to Atmanirbhar Bharat. Hence the programme for the revival of grass pea cultivation is associated with the 'Azadi Ka Amrit Mahotsav', as the basic philosophy of 'Azadi Ka Amrit Mahotsav' is to commemorate 75 years of independence of progressive India and its glorious history of achievements.

Potential / Expected Impact:

The impacts of the programme are-

- Increasing area under low ODAP Grass pea cultivation
- Improving the soil health
- Enhancing net income of farmers
- Creating income opportunity for landless farm women
- Developing value added product

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: launch of HealthXcel - Accelerated Pre incubation Program

Fireside chat with Mr Vibhav Joshi, incubate of BITS BIRAC BioNEST,Goa

Co-founder & director, Child & maternal care, InnAccel

Name of the organizer: BITS BIRAC BioNEST,Goa

Date and Time: September 07, 2021 at 5.30pm

URL/Registration link (in case of virtual event): https://bit.ly/healthxcel_launch

Google Meet - meet.google.com/zux-xavi-wxz

Brief background/purpose of the event:

Considering the current scenario, healthcare is the most promising sector with respect to innovations required for day to day needs of the patients, healthcare providers, etc. The COVID-19 pandemic has revealed major cracks in the healthcare industry in the world from unprepared hospital systems to shortages of nurses and treatment variances.

There are 5,705 HealthTechstartups in India. But if there is a silver lining to COVID-19 for the healthcare sector, and business development leaders in the industry, it is that people have embraced digital medicine through remote patient care i.e. telemedicine and remote clinical trials like never before.

Still there is a space for new startups to solve the problems of Indian healthcare industry.

HealthXcel - Accelerated preincubation program, A deep hands-on high touch engagement with innovators who have built solutions to the, and capacity building of innovators who are aspiring entrepreneurs. The HealthXcel by BITS BIRAC BioNest, Goa will help you to scale up your healthcare idea with access to high end lab, intensive business training, expert support, 1-2-1 coaching, mentoring & investor connects. Its a 12 Week hard-touch program with advanced start-up tool kits help Idea stage entrepreneurs to validate and scale their innovations.

Expected Participants/List of Participants:

For the launch: Around 100 Students, Startups, Innovators, Faculty, Researcher, Entrepreneurs will be attending the program.

For the pre incubation program: High Touch Engagement for 12-15 innovators.

Over the course of 3 months, participants will receive growth opportunities through 1:1 mentoring session. In addition, there will be applied learning sessions led by experts, conversations with leaders, and monthly peer group activities for networking and problem solving.

How is the event linked to Azadi ka Amrit Mahotsav:

A strong digital health ecosystem, which incorporates a digital health card, is vital to make a real difference to healthcare delivery in the country. The prime minister's emphasis on research and innovation in healthcare shows that there is a huge recognition of what the industry has to offer especially now that the health and wellbeing of citizens is a priority in the national agenda.

Good Health confers on a person or groups freedom from illness - and the ability to realize one's potential. Health is therefore best understood as the indispensable basis for defining a person's sense of wellbeing. On the occasion of **75 years of India's Independence celebrations** - "**Azadi Ka Amrit Mahotsav**, we BITS BIRAC BioNEST Goa Launching the HealthXcel accelerator program to showcase the potential & the impact of the healthcare startups in India

Potential/Expected Impact:

An awareness shall be created among the participants about various schemes and opportunities given by DBT-BIRAC, including the BioNEST scheme that supports our BITS BIRAC BioNEST Incubator. The participants will get to learn about how the Innovations in Healthcare and Biotech sector are supported by various Government Institutions. Moreover, we shall handhold around 12-15 ideas/ startups through this program to become investment ready.

Expected Outcomes for the preincubation program:

- 12-15 Innovations converted to commercial products
- Visibility of Innovations
- Key Partnerships between Innovators and Corporate/ Government
- Potential Funding/ Revenue/ Grants to Innovations
- Capacity Building of Aspiring Entrepreneurs



Grand Launch of HealthXcel

ACCELERATED PREINCUBATION PROGRAM FOR HEALTHCARE STARTUPS

5.30 PM : 7TH SEP 2021

REGISTER NOW

https://bit.ly/healthxcel_launch

VIGYAN SE VIKAS

Fireside chat with

Vibhav Joshi

Co-founder & Director,
Child & Maternal health, InnAccel



Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

URL/Registration link (in case of virtual event):

Venue (in case of physical event): Social Media-BIRAC Twitter and Facebook Handle

Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.

BIRAC supported Technologies Pvt. Ltd. produces face masks that provide high particulate (>90%) and bacterial filtration efficiency (>99%). These masks ensure high breathability, have comfortable ear loops, and are convenient to be used even in tropical conditions.

#AzadiKaAmritMahotsav #IndiaAt75

@DBTIndia @Drrenuswarup @bhalla_anju

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञानसेविकास-प्रौद्योगिकीसेप्रगति** under the theme **सशक्तभारत**. All these supported innovations are “Make in India” innovations that aim to strengthen the AtmaNirbhar Bharat initiative.

Potential/Expected Impact:

Outreach of BIRAC supported innovations to the social media audience to make people aware about the innovations that can be helpful to their day to day lives. BIRAC’s efforts have resulted in significant changes in the landscape of the Indian biotechnology sector.

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क्षेत्रीय जैवप्रौद्योगिकी केन्द्र

REGIONAL CENTRE FOR BIOTECHNOLOGY

13-19th September, 2021

Title of the event: ID 75 Webinar Series

Name of the organizer: Regional Centre for Biotechnology

Brief background/purpose of the event:

As a part of Science Setu and to commemorate 75th Year of Indian Independence, RCB organized a webinar event a webinar series has been announced, wherein webinars will be held every week on Fridays.

As a part of this webinar series, presentations are regularly delivered through RCB's YouTube channel.

S.No.	Start Date	End Date	Theme/ Subject	Activity Details	Venue
1	17.09.2021	17.09.2021	Nanoscale approaches for Therapeutic Immune Modulation	To be delivered by: Dr. Ashish A. Kulkarni University of Massachusetts Amherst, USA	Presentations delivered through RCB's YouTube channel

*'विज्ञान से विकास-प्रौद्योगिकी से प्रगति' Celebrating the Glory of Indian Science: Showcasing the Life and Works of Eminent Indian Scientists.

Such events will also be planned further till August 2022 and will be communicated in due course.

Expected Participants/List of Participants: ~ 200

Department of Biotechnology
आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: "Chemistry and Biology of Nitric Oxide: Enzymology, Regulation and Future Perspectives" by Dr. Mohammad Mahfuzul Haque, Jamia Millia Islamia, New Delhi

Name of the organizer: National Agri-Food Biotechnology Institute (NABI), and Center of Innovative and Applied Bioprocessing (CIAB)

Date and Time: 17th September 2021 11:00 am to 12:00 pm

URL/Registration link (in case of virtual event): Please join webinar from your computer, tablet or smartphone.

<https://www.gotomeet.me/nabimohali81/sciencesetu>

New to GoToMeeting? Get the app now and be ready when your first meeting starts: <https://global.gotomeeting.com/install/594320197>

Venue (in case of physical event): Virtual platform

Brief background/purpose of the event:

The National Agri-Food Biotechnology Institute, and Center of Innovative and Applied Bioprocessing two autonomous DBT institutes, are organizing Open day program to connect the Indian research Institute with the colleges and general audience on **Friday, 17th September, 2021 from 11:00 am to 12:00 pm.**

Students from the various colleges and teachers of all over India, research institute, and other science admirers will have a chance to learn about the scientific achievements of India in past 75 years, and perspectives of future scientific development. The open day will feature scientific lecture and poster presentation by young researcher of NABI and CIAB. The overall purpose of the event is to showcase the potential of science to the young students, so they can contribute to the field in the future.

Expected Participants/List of Participants:

S.No	Colleges	S.No	Colleges
1.	S. Govt. College of Science Education & Research, Jagraon	14.	Sri Guru Tegh Bahadur Khalsa College, Ropar
2.	Doaba College, Jalandhar	15.	S.G.G.S. Khalsa College, Hoshiarpur
3.	B.B.K DAV College of Women, Amritsar	16.	Guru Nanak College, Mansa
4.	KanyaMahaVidyalaya, Jalandhar	17.	Dev Samaj College for Women, Ferojpur
5.	Maulana Azad College, Kolkata	18.	DAV College, Jalandhar

6.	Lady Brabourne College, Kolkata	19.	Kamla Nehru College for Women, Phagwara
7.	Jhargram Raj College, Jhargram	20.	Mata Gujri College, Fatehgarh Sahib
8.	Ramkrishna Mission Vidyamandira, Howrah	21.	DAV College, Amritsar
9.	Ramakrishna Mission Vivekananda Centenary College, Kolkata	22.	DAV College, Abohar
10.	Surendranath College, Kolkata	23.	DAV College, Bhathinda
11.	Bethune College, Kolkata	24.	R. D. National College, Mumbai
12.	MugberiaGangadharMahavidyalaya, Medinipur	25.	Nagpur Veterinary College, Nagpur
13.	Krishna Chandra College, Birbhum	26.	Other DBT autonomous Institutes

How is the event linked to AzadikaAmritMahotsav:

AzadikaAmritMahotsav is an imitative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its People, culture and achievements. A science open day can be a path breaking idea to indulge young minds towards science. No country has achieved self-reliance without mass quality and public education. The open day will connect the young minds with ongoing science in India and show them how they can do wonders in Science. New discoveries by these young minds will make the country self-reliant which is the overall motto of AzadikaAmritMahotsav.

Potential/Expected Impact:

Open days are social encounters among the students and faculty of eminent institutions. Most of the students are attracted towards the institutions where faculty is highly qualified, possess great knowledge, and are enthusiastic and passionate about their work. Many students are not able to take proper decisions due to a lack of exposure to advanced scientific discoveries and instrumentation. Being able to interact with the faculties of higher institutions enables the students in the decision making process about their future. Here at NABI and CIAB we have highly qualified and experienced staff that might impact students' perspective towards opting for their career in science. Moreover, they could also learn the importance of small observations in making great discoveries.

The event highlights the latest developments in scientific fields and how few observations are important. Such open days can help the students and teachers to develop scientifically temperament and this way they would be encouraged for scientific thinking and a better understanding of scientific concepts.

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: Webinar entitled: Modelling Blood Diseases using induced Pluripotent Stem Cells; Speaker: Prof. Shaji RV, Christian Medical College (CMC) Vellore and CSCR-inStem

Name of the organizer: DBT- Institute for Stem Cell Science & Regenerative Medicine

Date and Time: 18 September 2021, 10-11AM

URL/Registration link (in case of virtual event): registration link

Venue (in case of physical event): Online

Brief background/purpose of the event:

The Science Setu Programme at inStem entitled “Discovering Possibilities” is an effort to create awareness about the importance of science in our lives and encourage the participation of young college students and their teachers in the area of Biology. Through setting up engagements with practitioners of science, this programme aims to provide a view to the excitement and numerous opportunities arising from a career in science.

Each webinar covers a topic in a manner accessible to college students and apart from contemporary cutting-edge research, involves colleagues who have faced challenges and success in allied areas such as science journalism, publishing, communications, history of science, as well engagements with students and interns from our laboratories.

Contact email: sciencesetu@instem.res.in

Expected Participants/List of Participants:

UG and PG students from Bangalore:

- St Joseph's;
- Maharani's Science College for Women,
- Mount Carmel College
- Autonomous, Indian Academy Degree College,
- Kristu Jayanti College,

Mangalore:

- St. Aloysius College; Gadag:
- Bipin Chikkatti Degree College, Gadag Ujire
- Sri Dharmasthala Manjunatheshwara College, Kollam,
- St. John's College, Kollam, Anchal Kerala; Chennai:
- Sri Ramachandra Institute of Higher Education & Research: Undergraduate college and Medical School students.

How is the event linked to Azadi ka Amrit Mahotsav:

The talk by a faculty at the CMC Vellore and investigator at the Centre for Stem Cell Research, inStem, will introduce the effective use of induced pluripotent stem cells as models to understand blood disorders as well as the use of these to develop and test therapeutic or preventive intervention. In short, the talk will showcase research and clinical

advances in this area in India. It covers a topical and socially relevant condition, which affects a large number of people in India.

Overall, this talk like the others in the series will highlight the progress and advances laboratories in India have made in the area collectively, over preceding decades and the current contemporary approaches being taken.

Potential/Expected Impact:

We hope to build sustained interactions with participating colleges and partner with them in nurturing the growth of students curious about possibilities in science as well foster career advancement of exceptional students who would like to venture into science as a career.

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event: Awareness Camp-cum-Training on Good Agricultural Practices for wheat

Name of the organizer: Biotech KISAN hub, School of Organic Farming, Punjab Agricultural University, Ludhiana

Date and Time: Sept 15, 2021 and 10.30 AM - 1.30 AM

URL/Registration link: Join Zoom Meeting

<https://us02web.zoom.us/j/85228076207?pwd=eUpYelM1YzZSckZ6aExaZVExeFRpdz09>

Meeting ID: 852 2807 6207

Passcode: 198733

Venue: NA

Brief background/purpose of the event:

The foundation of modern agriculture was laid by introduction of high yielding varieties facilitated by irrigation facilities and agrochemicals use. This resulted in unprecedented increase in agricultural production and was able to remove the stigmas of 'Begging bowl' and 'Ship to mouth' associated with our country. The subsequent, higher than optimal, use of agrochemicals resulted in adverse impact on environment besides appearance of pesticide residues in food chain. Apart from the many sustainable alternatives to modern agriculture, organic farming provides one of the solutions to these problems as it largely excludes agrochemical use. However, this generally results in lower crop yields which are often compensated by the premium prices on organic produce. This premium price of organic produce puts restrictions due to limited purchasing power of general consumers. No doubt, there is a niche consumer market for organic products but consumers in general want safe food free from any pesticide residues. Large number of scientific advances in the form of Good Agricultural Practices (GAP) now makes the task of combining productivity and safety possible. The adoption of GAP shall ensure safe food production without compromising the national food security.

Expected Participants: 200 (Farmers, students, extension functionaries)

How is the event linked to Azadi ka Amrit Mahotsav:

Immediate after the independence, the food security of the country was the major concern. The issue was resolved by modernizing the agriculture by introduction of high yielding varieties facilitated by irrigation facilities and agrochemicals use. However, over the time, the excessive and unrecommended use of agrochemicals has led to environmental and pesticide residue issues. Now-a-days, the people demand not only the food but safe food free from any pesticide residues. Thus, the adoption of Good Agricultural Practices

(GAP) is the need of the hour to have a balance between agricultural productivity and food safety.

Potential/Expected Impact:

This event on Awareness about 'Good Agricultural Practices' (GAP) will give an insight to farmers, students and extension functionaries about various eco-friendly options for raising safe wheat produce along with conservation of natural resources. It shall encourage the farmers to adopt integrated management of nutrients, insect-pests and diseases for food and environmental safety.



DEPARTMENT OF BIOTECHNOLOGY
Government of India



सशक्त भारत
विज्ञान से विकास-प्रौद्योगिकी से प्रगति

Awareness Camp - cum - Training on Good Agricultural Practices (GAP) for Wheat

This programme is being organized as a part of
Azadi ka Amrit Mahotsav.

Date and Time: 15 September, 2021 at 10.30 hrs

ZOOM Meeting: ID: 852 2807 6207
Passcode: 198733

Organizer:
Biotech-KISAN hub,
School of Organic Farming,
Punjab Agricultural University, Ludhiana, Punjab



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#AzadiKaAmritMahotsav

#IndiaAt75

Department of Biotechnology

आजादी का अमृत महोत्सव || 75th Anniversary of Indian Independence

Title of the event : “Popularization of eco-friendly technologies: biofertilizers and biopesticides for soil and crop health management among finger millet cultivating farmers” of the aspirational district of Odisha

Name of the organizer : M.S. Swaminathan Research Foundation in collaboration with ICAR-Indian Institute of Soil and Water Conservation Research (IISWCR) Centre, Sunabeda Odisha

Date and Time: 16.09.2021 to 18.09. 2021 Time: 11.00 AM to 4.00PM

Venue:

- 16.09.2021 :ATMA Training Hall, Khairput, Malkangiri
- 17.09.2021 : MSSRF, TAbC, Jeypore, Koraput
- 18.09.2021: Conference Hall, Utkal Alumina, Guest house campus, Tikiri, Rayagada

Brief background/purpose of the event:

The M.S. Swaminathan Research Foundation in collaboration with the ICAR- Indian Institute of Soil and Water conservation, Sunabeda, will organise a three days programme to commemorate “75th Anniversary of Indian Independence”. This interactive event among farmers and scientist will focus on the promotion of eco-friendly technologies to enhance soil health and sustainability in finger millet cultivation in the three Aspirational Districts- Malkangiri, Koraput Rayagada of Odisha under the project “DBT-Biotech KISAN hub” supported by the Department of Biotechnology, Ministry of Science and Technology, Govt. of India. The programme will provide insights on the prospects of eco-friendly technologies- improved varieties, improved agronomic practices, biofertilizers and biopesticides for soil nutrient and crop health management, processing and value addition among small marginal finger millet cultivating farmers of Odisha. This will help in the socio-economic uplift of the farmers in the Aspirational districts of Odisha. Mutual knowledge sharing by the progressive farmers, entrepreneurs and scientists will be facilitated to bridge the gaps to enhance productivity, soil and water conservation and create market linkage of their value added products.

Expected participants: 150 participants (Rayagada-50, Malkangiri- 50 and Koraput – 50)

How is the event linked to Azadi ka Amrit Mahotsav:

The 75th Year of Nation's independence is being celebrated as “Azadi Ka Amrit Mahotsav”. There is a need to strengthen communication amongst farmers and Scientist on the latest eco-friendly-technologies developments for sustainable soil and crop health management to enhance productivity and increase farmer's income. The planned activities will reach out to maximum stakeholders particularly farmers on various new developments on improving soil

health and conserving soil health by minimal fertilizer input, soil water conservation and promoting the use of biofertilizers and biopesticides in millets. Millets are nutritious climate resilient crops, but declining soil health and emergence of more virulent pests and pathogens is a matter of concern in the context of climate change. Thus, this event will focus on promoting technologies for the upliftment of the socio-economic status of the farmers in the aspirational district of Odisha.

Potential/Expected Impact:

- a. Promotion of eco-friendly technologies will enhance yield at relatively minimal input.
- b. Healthy soil will promote and enhance agro-ecosystem services that are socially, ecologically and economically sustainable
- c. Knowledge sharing between farmers and scientist will bridge technology gap to address location and crop specific problems



DEPARTMENT OF BIOTECHNOLOGY
MINISTRY OF SCIENCE & TECHNOLOGY, GOVERNMENT OF INDIA



DBT BIOTECH KISAN HUB

Farmers training programme on

**"POPULARIZATION OF ECO-FRIENDLY TECHNOLOGIES:
BIOFERTILIZERS AND BIOPESTICIDES FOR SOIL
AND CROP HEALTH MANAGEMENT AMONG
FINGER MILLET CULTIVATING FARMERS" IN THE
ASPIRATIONAL DISTRICTS OF ODISHA**



Date and Venue:

16 Sep, 2021, Malkangiri: ATMA Training Hall, Khairput

17 Sep, 2021, Koraput: Biju Patnaik Tribal Agro-biodiversity Centre,
MSSRF, Jeypore, Odisha

18 Sep, 2021, Rayagada: Conference Hall, Utkal Alumina
Guest House Campus, Tikiri

Organizers

M.S. Swaminathan Research Foundation Tribal Agrobiodiversity Centre, Jeypore - 764002, Odisha

Indian Institute of Soil and Water Conservation Research Centre, Sunabeda - 763002, Odisha

M.S. Swaminathan Research Foundation, Chennai - 600113, Tamil Nadu



mssrfbiotechkisanhub.org



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[@dbtindia](https://www.youtube.com/dbtindia)

[#AzadiKaAmritMahotsav](https://twitter.com/AzadiKaAmritMahotsav)

[#IndiaAt75](https://twitter.com/IndiaAt75)

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: Facilitating Translation of Innovative Healthcare Technologies

Name of the organizer: BioNEST, IIT Guwahati

Date and Time: 17th September, 10:00 AM onward

URL/Registration link (in case of virtual event): <https://bit.ly/3z3Ppsr>

Venue (in case of physical event): Online

Brief background/purpose of the event: IITG-BioNEST is the newly established bio-incubator supported by BIRAC with a vision to foster innovative research and entrepreneurial activities in Healthcare and Industrial biotechnology related areas. The main focus area of the facility is the incubation of a host of entrepreneurs to commercialize an array of healthcare products in the area of traditional and modern Biomaterials, Industrial Biotechnology and state-of-art frugal Diagnostics so as to establish a benchmark especially in the north eastern parts of the country. Being strategically located at the IIT Guwahati campus, the BioNEST incubator will leverage the technological excellence of IIT to develop healthcare products, services and technologies for sustainable market. The event will be an exhibit of the ongoing cutting-edge research and initiatives at IITGuwahati to foster a creative and productive interplay between academia and industry.

Expected Participants/List of Participants: We are expecting participation from students and faculty across IITs, Universities and research institutes. Also, we are looking forward to the active participation from start-ups, entrepreneurs in the healthcare sector and innovators who are looking forward to translating their idea to product.

How is the event linked to AzadiKaAmritMahotsav: To commemorate 75 years of independence of progressive India, its scientists and entrepreneurs and their achievements, IITG-BioNEST celebrates *Azadi ka Amrit Mahotsav* where we will be showcasing research and innovation having great potential to be translated into healthcare technologies having huge societal impact. The initiative is expected to foster financial self-sustainability at the different levels of the society through the rapid growth of entrepreneurs especially from the rural areas and led by women.

Potential/Expected Impact: IITG-BioNEST is targeted to inculcate a 360-degree industrial research and translation under a single umbrella starting from Idea generation, Proof-of-concept demonstration, Prototyping, Clearances, Validations, Certifications until Commercialization. The event will bring together the entrepreneurs, industry professionals, students and faculty to interact, connect and explore the promising avenues of possible fusion of academic research and its successful translation into market sustainable healthcare products developed indigenously, epitomizing the "Make in India" and "Aatm Nirbhar Bharat" initiatives of government of India.



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI



IITG-TIDF
Technology Incubation
Development Foundation



विज्ञान से विकास-प्रौद्योगिकी से प्रगति
**Facilitating Translation of
Innovative Healthcare Technologies**

Date: 17 September 2021

Time: 10:00AM-1:00PM

THE PROGRAM

Inaugural Address

Prof. T.G. Sitharam
Director, IIT-Guwahati

Registration link: <https://bit.ly/3z3Ppsr>



Prof. Dipankar Bandyopadhyay
HOC, Centre for Nanotechnology, IIT-Guwahati

BioNEST initiative and establishing synergies between IITG and startup ecosystem



Dr. Taslimarif Saiyed
CEO & Director, C-CAMP, Bengaluru

C-CAMP: Bio-innovation hub and impact in the entrepreneurial ecosystem



Prof. Siddhartha S. Ghosh
Dept. of Biosciences & Bioengineering, IIT-Guwahati

Translational research in cancer theranostics



Prof. Biman B. Mandal
Dept. of Biosciences & Bioengineering, Associate Dean,
Academics (UG), IIT-Guwahati
Silk technologies for advanced healthcare

Showcasing Incubatee companies of IITG-BioNEST



JSV Innovations Pvt. Ltd.
Dr. Satadal Saha



Duija Biosolutions Pvt. Ltd.
Dr. Supriyo Sen

Department of Biotechnology

आजादी का अमृतमहोत्सव || 75th Anniversary of Indian Independence

Title of the event: Lab2 Market Campaign

Name of the organizer: BIRAC

Date and Time: Weekly basis

URL/Registration link (in case of virtual event):

Venue (in case of physical event): Social Media-BIRAC Twitter and Facebook Handle

Brief background/purpose of the event:

Several customized and uniquely positioned initiatives of BIRAC have helped recognize a growing number of the Biotech Entrepreneurship Start-ups & over 165 commercially deployed products. The idea is to initiate a campaign to promote and inspire conversation around the BIRAC supported innovations on the social media platform.



SanMitra 1000 HCT
A hand-cranked dual powered defibrillator
Supporting the first line of defense against this prevailing situation

Disclaimer: The product/service that are acknowledged here with BIRAC's logo shall not inure any product or Service-related liability in any manner.

Image - <https://www.hospitalstartups.com/worlds-first-dual-powered-defibrillator/>

birac.nic.in | [@birac_2012](https://twitter.com/birac_2012)

75 Azadi Ka Amrit Mahotsav

BIRAC supported Innovations and Startups

Lab2 Market

birac

@BIRAC_2012 supported innovation SanMitra 1000 HCT is a hand-cranked dual powered defibrillator. The affordable, low-weight device is considered more reliable than traditional defibrillators as it can be used even in the areas where electricity is unavailable.
#AzadiKaAmritMahotsav #IndiaAt75

#AzadiKaAmritMahotsav #IndiaAt75#AzadiKaAmritMahotsav #IndiaAt75

@DBTIndia @Drrenuswarup @bhalla_anju

How is the event linked to Azadi ka Amrit Mahotsav?

The event has an overarching tagline **विज्ञानसेविकास-प्रौद्योगिकीसेप्रगति** under the theme **सशक्तभारत**. All these supported innovations are Make in India innovations that aim to strengthen the AtmaNirbhar Bharat initiative.

Potential/Expected Impact:

Outreach of BIRAC supported innovations to the social media audience to make people aware about the innovations that can be helpful to their day to day lives. BIRAC's efforts have resulted in significant changes in the landscape of the Indian biotechnology sector.

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